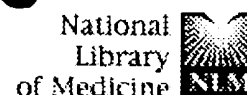


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- ☐ Mutations in IRF6 cause Van der Woude and popliteal pterygium syndromes.

Nat Genet. 2002 Oct;32(2):285-9.

PMID: 12219090 [PubMed - indexed for MEDLINE]

- ☐ 2: [Clerici M, Barassi C, Devito C, Pastori C, Preoni S, Frabattoni D, Longhi R, Hinkula J, Broliden K, Lopalco L.](#)

Related Articles, Links

- ☐ Serum IgA of HIV-exposed uninfected individuals inhibit HIV through recognition of a region within the alpha-helix of gp41.

AIDS. 2002 Sep 6;16(13):1731-41.

PMID: 12218383 [PubMed - indexed for MEDLINE]

- ☐ 3: [Kallberg Y, Gustafsson M, Persson B, Thyberg J, Johansson J.](#)

Related Articles, Links

- ☐ Prediction of amyloid fibril-forming proteins.

J Biol Chem. 2001 Apr 20;276(16):12945-50.

PMID: 11134035 [PubMed - indexed for MEDLINE]

- ☐ 4: [Wen WH, Bernstein L, Lescallett J, Beazer-Barclay Y, Sullivan-Halley J, White M, Press MF.](#)

Related Articles, Links

- ☐ Comparison of TP53 mutations identified by oligonucleotide microarray and conventional DNA sequence analysis.

Cancer Res. 2000 May 15;60(10):2716-22.

PMID: 10825146 [PubMed - indexed for MEDLINE]

- ☐ 5: [Jaskowski TD, Schroder C, Martins TB, Mouritsen CL, Litwin CM, Hill HR.](#)

Related Articles, Links

- ☐ Screening for antinuclear antibodies by enzyme immunoassay.

Am J Clin Pathol. 1996 Apr;105(4):468-73.

PMID: 8604689 [PubMed - indexed for MEDLINE]

- ☐ 6: [Murrell AM, Bockamp EO, Gottgens B, Chan YS, Cross MA, Heyworth CM, Green AR.](#)

Related Articles, Links

- ☐ Discordant regulation of SCL/TAL-1 mRNA and protein during erythroid differentiation.

Oncogene. 1995 Jul 6;11(1):131-9.

PMID: 7624120 [PubMed - indexed for MEDLINE]

- ☐ 7: [Syrjänen SM.](#)

Related Articles, Links

- ☐ Basic concepts and practical applications of recombinant DNA techniques in detection of human papillomavirus (HPV) infection. Review article.

APMIS. 1990 Feb;98(2):95-110. Review.

PMID: 2154242 [PubMed - indexed for MEDLINE]

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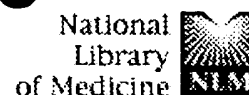
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Oligopeptide-mediated helix stabilization of model peptides in aqueous solution

J Pept Sci. 2003 Feb;9(2):106-13.

PMID: 12630695 [PubMed - in process]

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Stabilization of protein by replacement of a fluctuating loop structural analysis of a chimera of bovine alpha-lactalbumin and equine lysozyme.

Biochemistry. 2002 Nov 19;41(46):13807-13.

PMID: 12427044 [PubMed - indexed for MEDLINE]

☐ 3: [Parry DA, Marekov LN, Steinert PM, Smith TA.](#)[Related Articles, Links](#)

A role for the 1A and L1 rod domain segments in head domain organization and function of intermediate filaments: structural analysis of trichocyte keratin.

J Struct Biol. 2002 Jan-Feb;137(1-2):97-108.

PMID: 12064937 [PubMed - indexed for MEDLINE]

☐ 4: [Pogocki D, Schonrich C.](#)[Related Articles, Links](#)

Redox properties of Met(35) in neurotoxic beta-amyloid peptide. A molecular modeling study.

Chem Res Toxicol. 2002 Mar;15(3):408-18.

PMID: 11896689 [PubMed - indexed for MEDLINE]

☐ 5: [Taddei N, Capanni C, Chiti F, Stefani M, Dobson CM, Ramponi G.](#)[Related Articles, Links](#)

Folding and aggregation are selectively influenced by the conformational preferences of the alpha-helices of muscle acylphosphatase.

J Biol Chem. 2001 Oct 5;276(40):37149-54.

PMID: 11479314 [PubMed - indexed for MEDLINE]

☐ 6: [Magzoub M, Kilk K, Eriksson LE, Langel U, Graslund A.](#)[Related Articles, Links](#)

Interaction and structure induction of cell-penetrating peptides in the presence of phospholipid vesicles.

Biochim Biophys Acta. 2001 May 2;1512(1):77-89.

PMID: 11334626 [PubMed - indexed for MEDLINE]

☐ 7: [Buyong Xiong J, Lubkowski J, Nussinov R.](#)[Related Articles, Links](#)

Homology modeling and molecular dynamics simulations of lymphotactin.

Protein Sci. 2000 Nov;9(11):2192-9.

PMID: 11152129 [PubMed - indexed for MEDLINE]

☐ 8: [Laczko L, Vass E, Toth GK, Marczinovits I, Kiss M, Husz S, Molnar J.](#)[Related Articles, Links](#)

**Conformational consequences of coupling bullous pemphigoid antigenic peptides to glutathione-S-transferase and their diagnostic significance.**

J Pept Sci. 2000 Aug;6(8):378-86.

PMID: 10969867 [PubMed - indexed for MEDLINE]

9: [Poulsen SA, Watson AA, Fairlie DP, Craik DJ](#)[Related Articles, Links](#)**Solution structures in aqueous SDS micelles of two amyloid beta peptides of A beta(1-28) mutated at the alpha-secretase cleavage site (K16E, K16F).**

J Struct Biol. 2000 Jun;130(2-3):142-52

PMID: 10940222 [PubMed - indexed for MEDLINE]

10: [Uratani Y, Kobayashi M, Yokoyama Y, Maeda T, Mitaku S, Hoshino J](#)[Related Articles, Links](#)**Phospholipids stabilize the secondary structure of the sodium-coupled branched-chain amino acid carrier of Pseudomonas aeruginosa.**

Biochim Biophys Acta. 1999 Nov 16;1435(1-2):71-83.

PMID: 10561539 [PubMed - indexed for MEDLINE]

11: [Alphey MS, Leonard GA, Gourley DG, Tetaud E, Fairclamb AH, Hunter WN](#)[Related Articles, Links](#)**The high resolution crystal structure of recombinant Crithidia fasciculata trypanothionease.**

J Biol Chem. 1999 Sep 3;274(36):25613-22.

PMID: 10464297 [PubMed - indexed for MEDLINE]

12: [Xie M, Schowen RL](#)[Related Articles, Links](#)**Secondary structure and protein deamidation.**

J Pharm Sci. 1999 Jan;88(1):8-13. Review.

PMID: 9874696 [PubMed - indexed for MEDLINE]

13: [Parry DA, North AC](#)[Related Articles, Links](#)**Hard alpha-keratin intermediate filament chains: substructure of the N- and C-terminal domains and the predicted structure and function of the C-terminal domains of type I and type II chains.**

J Struct Biol. 1998;122(1-2):67-75. Review.

PMID: 9724606 [PubMed - indexed for MEDLINE]

14: [Chaillan-Huntington CE, Patston PA](#)[Related Articles, Links](#)**Influence of the P5 residue on alpha1-proteinase inhibitor mechanism.**

J Biol Chem. 1998 Feb 20;273(8):4569-73.

PMID: 9468513 [PubMed - indexed for MEDLINE]

15: [Goldgur Y, Mosyak L, Reshetnikova L, Ankilova V, Lavrik O, Khodyreva S, Saif M](#)[Related Articles, Links](#)**The crystal structure of phenylalanyl-tRNA synthetase from thermus thermophilus complexed with cognate tRNA^{Phe}.**

Structure. 1997 Jan 15;5(1):59-68.

PMID: 9016717 [PubMed - indexed for MEDLINE]

16: [Shah NK, Ramshaw JA, Kirkpatrick A, Shah C, Brodsky B](#)[Related Articles, Links](#)**A host-guest set of triple-helical peptides: stability of Gly-X-Y triplets containing common nonpolar residues.**

Biochemistry. 1996 Aug 13;35(32):10262-8.

PMID: 8756681 [PubMed - indexed for MEDLINE]

17: [Chiang CM, Chang SL, Lin HJ, Wu WG](#)[Related Articles, Links](#)**The role of acidic amino acid residues in the structural stability of snake cardiotoxins.**

Biochemistry. 1996 Jul 16;35(28):9177-86

PMID: 8703923 [PubMed - indexed for MEDLINE]

18: [Lj SC, Goto NK, Williams KA, Deber CM.](#)[Related Articles, Links](#)**Alpha-helical, but not beta-sheet, propensity of proline is determined by peptide environment.**

Proc Natl Acad Sci U S A. 1996 Jun 25;93(13):6676-81.

PMID: 8692877 [PubMed - indexed for MEDLINE]

19: [Hamada D, Kuroda Y, Tanaka T, Goto Y.](#)[Related Articles, Links](#)**High helical propensity of the peptide fragments derived from beta-lactoglobulin, a predominantly beta-sheet protein.**

J Mol Biol. 1995 Dec 8;254(4):737-46.

PMID: 7500346 [PubMed - indexed for MEDLINE]

20: [Parge HE, Forest KT, Hickey MJ, Christensen DA, Getzoff ED, Tainer JA.](#)[Related Articles, Links](#)**Structure of the fibre-forming protein pilin at 2.6 Å resolution**

Nature. 1995 Nov 2;378(6552):32-8.

PMID: 7477282 [PubMed - indexed for MEDLINE]

21: [Lee S, Yoshitomi H, Morikawa M, Ando S, Takiguchi H, Inoue T, Sugihara G.](#)[Related Articles, Links](#)**Homooligopeptides composed of hydrophobic amino acid residues interact in a specific manner by taking alpha-helix or beta-structure toward lipid bilayers.**

Biopolymers. 1995 Sep;36(3):391-8.

PMID: 7669922 [PubMed - indexed for MEDLINE]

22: [Shiraki K, Nishikawa K, Goto Y.](#)[Related Articles, Links](#)**Trifluoroethanol-induced stabilization of the alpha-helical structure of beta-lactoglobulin: implication for non-hierarchical protein folding.**

J Mol Biol. 1995 Jan 13;245(2):180-94.

PMID: 7799434 [PubMed - indexed for MEDLINE]

23: [Anderson JV, Guy CL.](#)[Related Articles, Links](#)**Spinach leaf 70-kilodalton heat-shock cognate stabilizes bovine adrenal glucose-6-phosphate dehydrogenase in vitro without apparent stable binding.**

Planta. 1995;196(2):303-10.

PMID: 7599528 [PubMed - indexed for MEDLINE]

24: [Xu Q, Nelson J, Bricker TM.](#)[Related Articles, Links](#)**Secondary structure of the 33 kDa, extrinsic protein of Photosystem II: a far-UV circular dichroism study.**

Biochim Biophys Acta. 1994 Dec 30;1188(3):427-31.

PMID: 7803456 [PubMed - indexed for MEDLINE]


25: [Bode W, Kleinmer P, Huber R, Kleine T, Schnierer S, Tschesche H.](#)[Related Articles, Links](#)**The X-ray crystal structure of the catalytic domain of human neutrophil collagenase inhibited by a substrate analogue reveals the essentials for catalysis and specificity.**

EMBO J. 1994 Mar 15;13(6):1263-9.

PMID: 8137810 [PubMed - indexed for MEDLINE]

26: [Derewenda ZS, Derewenda U, Dodson GG.](#)[Related Articles, Links](#)**The crystal and molecular structure of the *Rhizomucor miehei* triacylglyceride lipase at 1.9 Å resolution.**

J Mol Biol. 1992 Oct 5;227(3):818-39.
PMID: 1404390 [PubMed - indexed for MEDLINE]


 **27:** [Romanowski M, Song PS.](#)

[Related Articles](#), [Links](#)



Structural domains of phytochrome deduced from homologies in amino acid sequences.

J Protein Chem. 1992 Apr;11(2):139-55.
PMID: 1326984 [PubMed - indexed for MEDLINE]


 **28:** [Doig AJ, Williams DJ.](#)

[Related Articles](#), [Links](#)



Is the hydrophobic effect stabilizing or destabilizing in proteins? The contribution of disulphide bonds to protein stability.

J Mol Biol. 1991 Jan 20;217(2):389-98.
PMID: 1992169 [PubMed - indexed for MEDLINE]


 **29:** [Fraser RD, Furlong DB, Trus BL, Nibert ML, Fields BN, Steven AC.](#)

[Related Articles](#), [Links](#)



Molecular structure of the cell-attachment protein of reovirus: correlation of computer-processed electron micrographs with sequence-based predictions.

J Virol. 1990 Jun;64(6):2990-3000.
PMID: 2335824 [PubMed - indexed for MEDLINE]

 **30:** [Katti SK, LeMaster DM, Eklund JJ.](#)

[Related Articles](#), [Links](#)



Crystal structure of thioredoxin from Escherichia coli at 1.68 Å resolution.

J Mol Biol. 1990 Mar 5;212(1):167-84.
PMID: 2181145 [PubMed - indexed for MEDLINE]

 **31:** [Sette A, Lamont A, Buus S, Colon SM, Miles C, Grey HM.](#)

[Related Articles](#), [Links](#)



Effect of conformational propensity of peptide antigens in their interaction with MHC class II molecules. Failure to document the importance of regular secondary structures

J Immunol. 1989 Aug 15;143(4):1268-73.
PMID: 2787362 [PubMed - indexed for MEDLINE]


 **32:** [Jones CJ, Homma M, Macnab RM.](#)

[Related Articles](#), [Links](#)



L-, P-, and M-ring proteins of the flagellar basal body of Salmonella typhimurium: gene sequences and deduced protein sequences.

J Bacteriol. 1989 Jul;171(7):3890-900.
PMID: 2544561 [PubMed - indexed for MEDLINE]

 **33:** [Guo YJ, Zhang Y, Liu YX, Lin ZH.](#)

[Related Articles](#), [Links](#)



Effects of some alcohols on the conformation of mitochondrial H⁺-ATPase complex and F1-ATPase from pig heart.

Biochim Biophys Acta. 1987 Oct 29;894(1):11-5.
PMID: 2889469 [PubMed - indexed for MEDLINE]

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PI	WO 2002041002	A2	20020523	WO 2001-GB5117	20011120
	W:				
	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	RW:				
	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
	US 2002143105	A1	20021003	US 2001-988842	20011119
	AU 2002023843	A5	20020527	AU 2002-23843	20011120
PRAI	US 2000-253695P	P	20001120		
	US 2000-251662P	P	20001206		
	WO 2001-GB5117	W	20011120		

L2 ANSWER 2 OF 29 IFIPAT COPYRIGHT 2003 IFI DUPLICATE 2
AN 10199399 IFIPAT;IFIUDB;IFICDB
TI ***DISCORDANT*** ***HELIX*** STABILIZATION FOR PREVENTION OF

AMYLOID FORMATION
Johansson Jan (SE)
PA Unassigned Or Assigned To Individual (68000)
PI US 2002143105 A1 20021003
AI US 2001-988842 20011119
PRAI US 2000-251662P 20001206 (Provisional)
US 2000-253695P 20001120 (Provisional)
FI US 2002143105 20021003
DT Utility; Patent Application - First Publication
FS CHEMICAL
APPLICATION

CLMN 9
GI 12 Figure(s).

FIG. 1 is a bar graph that depicts the occurrence of alphahelical segments with high beta-strand propensities. The number of protein segments are plotted versus the lengths of the segments for which experimentally determined alpha-helices coincide with beta-strands predicted with a PHD reliability index greater-than-or-equals 5 for all residues. The PDB codes are given for the proteins from which the helices with greater-than-or-equals 7 residues emanate. Codes in bold identify proteins that form amyloid fibrils in vivo, and italics denote proteins shown to form fibrils. The outcome of predictions for prion proteins from human (hPrP) and mouse (mPrP) are indicated. The PDB codes represent, in alphabetical order: 1aa0=fibrin deletion mutant (Bacteriophage T4), 1aura=carboxylesterase (*Pseudomonas fluorescens*), 1b10(sPrP)=prion protein (Syrian hamster), 1b2va=heme-binding protein A (*Serratia marcescens*), 1b5ea=dCMP hydroxymethylase (Bacteriophage T4), 1b8oa=purine nucleoside phosphorylase (*Bos taurus*), 1ba6=beta amyloid protein (*Homo sapiens*), 1bct=bacteriorhodopsin (*Halobacterium halobium*), 1b11=parathyroid hormone receptor (*Homo sapiens*), cpo=chloroperoxidase (*Leptoxiphium fumago*), 1cv8=staphopain (*Staphylococcus aureus*), 1ecra=replication terminator protein (*Escherichia coli*), 1ggtb=coagulation factor XIII (*Homo sapiens*), 1h2as-hydrogenase (*Desulfovibrio vulgaris*), 1iab=astacin (*Astacus astacus*), 1jkmb=brefeldin A esterase (*Bacillus subtilis*), 1kpta=killer toxin (*Ustilago maydis*), 1lml=leishmanolysin (*Leishmania major*), 1mhdb=smad MH1 domain (*Homo sapiens*), 1mnma=transcription factor MVM1 (*Saccharomyces cerevisiae*), 1mtyd=methane monooxygenase (*Methylococcus capsulatus*), 1nom=DNA polymerase beta (*Rattus norvegicus*), 1noza=DNA polymerase (Bacteriophage T4), 1pbv-sec7 domain of exchange factor ARNO (*Homo sapiens*), 1quta=lytic transglycosylase Slt35 (*Escherichia coli*) 1smd=salivary amylase (*Homo sapiens*), 1spf (SP-C)=surfactant-associated protein C (*Sus scrofa*), 1sra=osteonectin (*Homo sapiens*), 1taha=lipase (*Burkholdia glumae*), 1tca=lipase B (*Candida antarctica*), 1vns=chloroperoxidase (*Curvularia inaequalis*), 1wer=Ras-GTPaseactivating domain of p120GAP (*Homo sapiens*), 2erl=pheromone Er1 (*Eurplotes raikovi*), 2ifo=inovirus (*Xanthomonas oryzae*), 2occk=cytochrome C oxidase (*Bos taurus*), 2sqca=squalene-hopene cyclase (*Alicyclobacillus acidocaldarius*), 3aig=adamalysin II (*Crotalus adamanteus*), 3pte=transpeptidase (*Xstreptomyces R61*).

FIG. 2 is a set of diagrams that depict the characteristics of long ***discordant*** segments. Amino acid sequences, together with determined and predicted secondary structure elements for sequences having greater-than-or-equal to 9-residue discordant segments are shown. Also shown are those discordant segments of A beta, mouse PrP, and human PrP. The proteins are grouped by the length of their discordant stretch. The experimentally determined helical segments are drawn as blue cylinders in the bottom row of each case in which the amino acid sequences and residue positions in the PDB entries of the corresponding proteins are given. The locations of the beta-strands predicted by PHD are visualized by yellow strands in the middle row of each case, wherein the reliability index for each residue is shown. The Chou-Fasman-based predictions averaged for 6-residue segments are plotted above residue 3 in each segment and given in the top row of each case. E and e denote extended structures (i.e., beta-strands) predicted with high and low probability, respectively, as in Chou and Fasman (1978, Adv. Enzymol. 47:45-148), and H and h represent predicted helical structures in an analogous manner.

FIG. 3 is a diagram that depicts the amino acid sequence (bottom row) and predicted secondary structure by PHD and according to Chou-Fasman analysis for a polyleucine analogue of SP-C (lung surfactant protein C). The PHD predictions including reliability indices are given in the middle row and the Chou-Fasman data in the top row, but in this case an alpha-helix is predicted by both methods, symbolized by a blue cylinder for the PHD prediction.

FIG. 4 is a graph that depicts data from an experiment in which the relative amounts of SP-C(squares) and SP-C(Leu) (triangles) remaining in solution after centrifugation at 20,000 x g for 20 minutes at different time points after solubilization were measured.

FIG. 5 is a set of diagrams that depict the experimentally determined and predicted secondary structures of positions 1-28 of A beta and a variant of A beta (1-28) in which three residues have been changed to alanine (K16A, L17A, F20A). Symbols are as described for FIGS. 2 and 4.

FIGS. 6A-6C are graphs depicting the effects various tripeptides on fibril formation by A beta (14-23) (FIG. 6A), A beta (12-24) (FIG. 6B), and A beta (1-40) (FIG. 6C). Unless otherwise indicated, the tripeptides have free N- and C-termini. The results are representative for two to three independent experiments.

FIG. 7 is a graph depicting the effects of various tripeptides and tetrapeptides on fibril formation by A beta (14-23).

FIG. 8 is a graph depicting the effects of the peptides KAD, AAA, and KFFE (SEQ ID NO:1) on A beta (1-40) aggregation. Samples were analyzed in duplicate.

FIGS. 9A-9E depict the fibrillar structures of A beta (1-40) formed in the absence of tripeptide (9A), in the presence of KAD (9B), acetyl-KAD-amide (9C), AAA (9D), or acetyl-AAA-amide (9E).

FIG. 10 depicts the KAD peptide in an energy-minimized conformation (top structure), the KAD peptide in an extended conformation (middle structure), and the KFFE (SEQ ID NO:1) peptide in an extended conformation (bottom structure). The amino and carboxyl groups of the charged side-chains are on the same side of the polypeptide backbone in KAD and the distances between them are then shown. In KFFE, the charged side-chains are on opposite sides of the polypeptide backbone.

FIG. 11 depicts the charge separation of A beta (15-23) in alpha-helical and beta-strand conformations. The upper panel shows the A beta (15-23) region in helical conformation, symbolized by the cylinder. The charged side-chains Lys16, Glu22 and Asp23 are shown. In the lower panel, the A beta (15-23) region is modeled in beta-strand/extended conformation, indicated by the wavy strand. The charged side-chains are shown. For the helical conformation, the distances between the epsilon-amino group of Lys16 and the gamma-carboxyl group of Glu22 and the betacarboxyl group of Asp23 are shown, and for the extended conformation the Lys16-Glu22 distance is indicated.

FIG. 12 is a model of A beta fibril formation and the associated effects of helix-stabilizing agents. The upper row depicts the transformations that helical A beta peptides are thought to undergo to form beta-sheet fibrils. Monomeric A beta in aqueous solution is structurally disordered (i.e. it interconverts between different structures including alpha-helical and beta-strand conformations) and A beta in extended conformation will be able to polymerize via the formation of intermolecular contacts in beta-sheets. Compounds that can interact preferentially with helical A beta (here represented by the doubly charged ligand) will shift the equilibrium from the extended conformation and thereby reduce formation of fibrils. The cylinder represents the helix centered around residues 16-23 of A beta and the + and - signs represent Lys16 and Glu22/Asp23, respectively.

L2 ANSWER 3 OF 29 BIOSIS COPYRIGHT 2003 BIOLOGICAL ABSTRACTS INC.DUPLICATE
3
AN 2001:301273 BIOSIS
DN PREV200100301273
TI Prediction of amyloid fibril-forming proteins.
AU Kallberg, Yvonne; Gustafsson, Magnus; Persson, Bengt; Thyberg, Johan;
Johansson, Jan (1)
CS (1) Department of Medical Biochemistry and Biophysics, Karolinska
Institutet, S-171 77, Stockholm: jan.johansson@mbb.ki.se Sweden
SO Journal of Biological Chemistry, (April 20, 2001) Vol. 276, No. 16, pp.
12945-12950. print.
ISSN: 0021-9258.
DT Article
LA English
SL English

L2 ANSWER 4 OF 29 DGENE (C) 2003 THOMSON DERWENT
AN AAU99448 peptide DGENE
TI Identifying compounds that stabilize I-helix of ***discordant***
helix in polypeptide, by measuring amount of I-helix in sample
containing ***discordant*** ***helix*** -containing polypeptide in
presence and absence of compound -
IN White M P; Johansson J
PA (ALPH-N) ALPHABETA AB.
(WHIT-I) WHITE M P.
PI WO 2002041002 A2 20020523 55p
AI WO 2001-GB5117 20011120
PRAI US 2000-253695P 20001120
US 2000-251662P 20001206
DT Patent
LA English
OS 2002-519389 [55]
DESC Variant peptide of human amyloid beta-peptide (residues 15-25).

L2 ANSWER 5 OF 29 DGENE (C) 2003 THOMSON DERWENT
AN AAU99447 peptide DGENE
TI Identifying compounds that stabilize I-helix of ***discordant***
helix in polypeptide, by measuring amount of I-helix in sample
containing ***discordant*** ***helix*** -containing polypeptide in
presence and absence of compound -
IN White M P; Johansson J
PA (ALPH-N) ALPHABETA AB.
(WHIT-I) WHITE M P.
PI WO 2002041002 A2 20020523 55p
AI WO 2001-GB5117 20011120
PRAI US 2000-253695P 20001120
US 2000-251662P 20001206
DT Patent
LA English
OS 2002-519389 [55]
DESC Polyleucine analogue of pig lung surfactant-associated protein C (SP-C).

L2 ANSWER 6 OF 29 DGENE (C) 2003 THOMSON DERWENT
AN AAU99446 peptide DGENE
TI Identifying compounds that stabilize I-helix of ***discordant***
helix in polypeptide, by measuring amount of I-helix in sample
containing ***discordant*** ***helix*** -containing polypeptide in
presence and absence of compound -
IN White M P; Johansson J
PA (ALPH-N) ALPHABETA AB.
(WHIT-I) WHITE M P.
PI WO 2002041002 A2 20020523 55p
AI WO 2001-GB5117 20011120
PRAI US 2000-253695P 20001120
US 2000-251662P 20001206
DT Patent
LA English
OS 2002-519389 [55]
DESC Human coagulation factor XIII (1ggtb) helical segment.

L2 ANSWER 7 OF 29 DGENE (C) 2003 THOMSON DERWENT
AN AAU99445 peptide DGENE
TI Identifying compounds that stabilize I-helix of ***discordant***
helix in polypeptide, by measuring amount of I-helix in sample
containing ***discordant*** ***helix*** -containing polypeptide in

presence and absence of compound -
IN White M P; Johansson J
PA (ALPH-N) ALPHABETA AB.
(WHIT-I) WHITE M P.
PI WO 2002041002 A2 20020523 55p
AI WO 2001-GB5117 20011120
PRAI US 2000-253695P 20001120
US 2000-251662P 20001206
DT Patent
LA English
OS 2002-519389 [55]
DESC Escherichia coli lytic transglycosylase Slt35 (1quta) helical segment.

L2 ANSWER 8 OF 29 DGENE (C) 2003 THOMSON DERWENT
AN AAU99444 peptide DGENE
TI Identifying compounds that stabilize I-helix of ***discordant***
helix in polypeptide, by measuring amount of I-helix in sample
containing ***discordant*** ***helix*** -containing polypeptide in
presence and absence of compound -
IN White M P; Johansson J
PA (ALPH-N) ALPHABETA AB.
(WHIT-I) WHITE M P.
PI WO 2002041002 A2 20020523 55p
AI WO 2001-GB5117 20011120
PRAI US 2000-253695P 20001120
US 2000-251662P 20001206
DT Patent
LA English
OS 2002-519389 [55]
DESC Serratia marcescens haem-binding protein A (1b2va) helical segment.

L2 ANSWER 9 OF 29 DGENE (C) 2003 THOMSON DERWENT
AN AAU99443 peptide DGENE
TI Identifying compounds that stabilize I-helix of ***discordant***
helix in polypeptide, by measuring amount of I-helix in sample
containing ***discordant*** ***helix*** -containing polypeptide in
presence and absence of compound -
IN White M P; Johansson J
PA (ALPH-N) ALPHABETA AB.
(WHIT-I) WHITE M P.
PI WO 2002041002 A2 20020523 55p
AI WO 2001-GB5117 20011120
PRAI US 2000-253695P 20001120
US 2000-251662P 20001206
DT Patent
LA English
OS 2002-519389 [55]
DESC Bos taurus purine nucleoside phosphorylase (1b8oa) helical segment #2.

L2 ANSWER 10 OF 29 DGENE (C) 2003 THOMSON DERWENT
AN AAU99442 peptide DGENE
TI Identifying compounds that stabilize I-helix of ***discordant***
helix in polypeptide, by measuring amount of I-helix in sample
containing ***discordant*** ***helix*** -containing polypeptide in
presence and absence of compound -
IN White M P; Johansson J
PA (ALPH-N) ALPHABETA AB.
(WHIT-I) WHITE M P.
PI WO 2002041002 A2 20020523 55p
AI WO 2001-GB5117 20011120
PRAI US 2000-253695P 20001120
US 2000-251662P 20001206
DT Patent
LA English
OS 2002-519389 [55]
DESC Bos taurus purine nucleoside phosphorylase (1b8oa) helical segment #1.

L2 ANSWER 11 OF 29 DGENE (C) 2003 THOMSON DERWENT
AN AAU99441 peptide DGENE
TI Identifying compounds that stabilize I-helix of ***discordant***
helix in polypeptide, by measuring amount of I-helix in sample
containing ***discordant*** ***helix*** -containing polypeptide in
presence and absence of compound -
IN White M P; Johansson J
PA (ALPH-N) ALPHABETA AB.
(WHIT-I) WHITE M P.

PI WO 2002041002 A2 20020523
AI WO 2001-GB5117 20011120
PRAI US 2000-253695P 20001120
US 2000-251662P 20001206

DT Patent

LA English

OS 2002-519389 [55]

DESC Human ras-GTPase activating domain of p120GAP (lwer) helical segment.

L2 ANSWER 12 OF 29 DGENE (C) 2003 THOMSON DERWENT

AN AAU99440 peptide DGENE

TI Identifying compounds that stabilize I-helix of ***discordant***
helix in polypeptide, by measuring amount of I-helix in sample
containing ***discordant*** ***helix*** -containing polypeptide in
presence and absence of compound -

IN White M P; Johansson J

PA (ALPH-N) ALPHABETA AB.

(WHIT-I) WHITE M P.

PI WO 2002041002 A2 20020523

AI WO 2001-GB5117 20011120

PRAI US 2000-253695P 20001120

US 2000-251662P 20001206

DT Patent

LA English

OS 2002-519389 [55]

DESC A. acidocaldarius squalene-hopene cyclase (2sqca) helical segment.

L2 ANSWER 13 OF 29 DGENE (C) 2003 THOMSON DERWENT

AN AAU99439 peptide DGENE

TI Identifying compounds that stabilize I-helix of ***discordant***
helix in polypeptide, by measuring amount of I-helix in sample
containing ***discordant*** ***helix*** -containing polypeptide in
presence and absence of compound -

IN White M P; Johansson J

PA (ALPH-N) ALPHABETA AB.

(WHIT-I) WHITE M P.

PI WO 2002041002 A2 20020523

AI WO 2001-GB5117 20011120

PRAI US 2000-253695P 20001120

US 2000-251662P 20001206

DT Patent

LA English

OS 2002-519389 [55]

DESC Bos taurus cytochrome C oxidase (2occk) helical segment.

L2 ANSWER 14 OF 29 DGENE (C) 2003 THOMSON DERWENT

AN AAU99438 peptide DGENE

TI Identifying compounds that stabilize I-helix of ***discordant***
helix in polypeptide, by measuring amount of I-helix in sample
containing ***discordant*** ***helix*** -containing polypeptide in
presence and absence of compound -

IN White M P; Johansson J

PA (ALPH-N) ALPHABETA AB.

(WHIT-I) WHITE M P.

PI WO 2002041002 A2 20020523

AI WO 2001-GB5117 20011120

PRAI US 2000-253695P 20001120

US 2000-251662P 20001206

DT Patent

LA English

OS 2002-519389 [55]

DESC Candida antarctica lipase B (ltca) helical segment.

L2 ANSWER 15 OF 29 DGENE (C) 2003 THOMSON DERWENT

AN AAU99437 peptide DGENE

TI Identifying compounds that stabilize I-helix of ***discordant***
helix in polypeptide, by measuring amount of I-helix in sample
containing ***discordant*** ***helix*** -containing polypeptide in
presence and absence of compound -

IN White M P; Johansson J

PA (ALPH-N) ALPHABETA AB.

(WHIT-I) WHITE M P.

PI WO 2002041002 A2 20020523

AI WO 2001-GB5117 20011120

PRAI US 2000-253695P 20001120

US 2000-251662P 20001206

DT Patent
LA English
OS 2002-519389 [55]
DESC Curvularia inaequalis chloroperoxidase (1vns) helical segment.

L2 ANSWER 16 OF 29 DGENE (C) 2003 THOMSON DERWENT
AN AAU99436 peptide DGENE
TI Identifying compounds that stabilize I-helix of ***discordant***
helix in polypeptide, by measuring amount of I-helix in sample
containing ***discordant*** ***helix*** -containing polypeptide in
presence and absence of compound -
IN White M P; Johansson J
PA (ALPH-N) ALPHABETA AB.
(WHIT-I) WHITE M P.
PI WO 2002041002 A2 20020523 55p
AI WO 2001-GB5117 20011120
PRAI US 2000-253695P 20001120
US 2000-251662P 20001206
DT Patent
LA English
OS 2002-519389 [55]
DESC Pseudomonas fluorescens carboxylesterase (1aura) helical segment.

L2 ANSWER 17 OF 29 DGENE (C) 2003 THOMSON DERWENT
AN AAU99435 peptide DGENE
TI Identifying compounds that stabilize I-helix of ***discordant***
helix in polypeptide, by measuring amount of I-helix in sample
containing ***discordant*** ***helix*** -containing polypeptide in
presence and absence of compound -
IN White M P; Johansson J
PA (ALPH-N) ALPHABETA AB.
(WHIT-I) WHITE M P.
PI WO 2002041002 A2 20020523 55p
AI WO 2001-GB5117 20011120
PRAI US 2000-253695P 20001120
US 2000-251662P 20001206
DT Patent
LA English
OS 2002-519389 [55]
DESC Methylococcus capsulatus methane monooxygenase (1mtyd) helical segment.

L2 ANSWER 18 OF 29 DGENE (C) 2003 THOMSON DERWENT
AN AAU99434 peptide DGENE
TI Identifying compounds that stabilize I-helix of ***discordant***
helix in polypeptide, by measuring amount of I-helix in sample
containing ***discordant*** ***helix*** -containing polypeptide in
presence and absence of compound -
IN White M P; Johansson J
PA (ALPH-N) ALPHABETA AB.
(WHIT-I) WHITE M P.
PI WO 2002041002 A2 20020523 55p
AI WO 2001-GB5117 20011120
PRAI US 2000-253695P 20001120
US 2000-251662P 20001206
DT Patent
LA English
OS 2002-519389 [55]
DESC Human sec7 domain of exchange factor ARNO (1pbv) helical segment.

L2 ANSWER 19 OF 29 DGENE (C) 2003 THOMSON DERWENT
AN AAU99433 peptide DGENE
TI Identifying compounds that stabilize I-helix of ***discordant***
helix in polypeptide, by measuring amount of I-helix in sample
containing ***discordant*** ***helix*** -containing polypeptide in
presence and absence of compound -
IN White M P; Johansson J
PA (ALPH-N) ALPHABETA AB.
(WHIT-I) WHITE M P.
PI WO 2002041002 A2 20020523 55p
AI WO 2001-GB5117 20011120
PRAI US 2000-253695P 20001120
US 2000-251662P 20001206
DT Patent
LA English
OS 2002-519389 [55]
DESC Syrian hamster prion protein (1b10) helical segment.

L2 ANSWER 20 OF 29 DGENE (C) 2003 THOMSON DERWENT
 AN AAU99432 peptide DGENE
 TI Identifying compounds that stabilize I-helix of ***discordant***
 helix in polypeptide, by measuring amount of I-helix in sample
 containing ***discordant*** ***helix*** -containing polypeptide in
 presence and absence of compound -
 IN White M P; Johansson J
 PA (ALPH-N) ALPHABETA AB.
 (WHIT-I) WHITE M P.
 PI WO 2002041002 A2 20020523 55p
 AI WO 2001-GB5117 20011120
 PRAI US 2000-253695P 20001120
 US 2000-251662P 20001206
 DT Patent
 LA English
 OS 2002-519389 [55]
 DESC Mouse prion protein (1ag2) helical segment.

L2 ANSWER 21 OF 29 DGENE (C) 2003 THOMSON DERWENT
 AN AAU99431 peptide DGENE
 TI Identifying compounds that stabilize I-helix of ***discordant***
 helix in polypeptide, by measuring amount of I-helix in sample
 containing ***discordant*** ***helix*** -containing polypeptide in
 presence and absence of compound -
 IN White M P; Johansson J
 PA (ALPH-N) ALPHABETA AB.
 (WHIT-I) WHITE M P.
 PI WO 2002041002 A2 20020523 55p
 AI WO 2001-GB5117 20011120
 PRAI US 2000-253695P 20001120
 US 2000-251662P 20001206
 DT Patent
 LA English
 OS 2002-519389 [55]
 DESC Human amyloid beta-peptide (1ba6) helical segment.

L2 ANSWER 22 OF 29 DGENE (C) 2003 THOMSON DERWENT
 AN AAU99430 peptide DGENE
 TI Identifying compounds that stabilize I-helix of ***discordant***
 helix in polypeptide, by measuring amount of I-helix in sample
 containing ***discordant*** ***helix*** -containing polypeptide in
 presence and absence of compound -
 IN White M P; Johansson J
 PA (ALPH-N) ALPHABETA AB.
 (WHIT-I) WHITE M P.
 PI WO 2002041002 A2 20020523 55p
 AI WO 2001-GB5117 20011120
 PRAI US 2000-253695P 20001120
 US 2000-251662P 20001206
 DT Patent
 LA English
 OS 2002-519389 [55]
 DESC Human prion protein (3pte) helical segment.

L2 ANSWER 23 OF 29 DGENE (C) 2003 THOMSON DERWENT
 AN AAU99429 peptide DGENE
 TI Identifying compounds that stabilize I-helix of ***discordant***
 helix in polypeptide, by measuring amount of I-helix in sample
 containing ***discordant*** ***helix*** -containing polypeptide in
 presence and absence of compound -
 IN White M P; Johansson J
 PA (ALPH-N) ALPHABETA AB.
 (WHIT-I) WHITE M P.
 PI WO 2002041002 A2 20020523 55p
 AI WO 2001-GB5117 20011120
 PRAI US 2000-253695P 20001120
 US 2000-251662P 20001206
 DT Patent
 LA English
 OS 2002-519389 [55]
 DESC Streptomyces sp. R61 transpeptidase (3pte) helical segment.

L2 ANSWER 24 OF 29 DGENE (C) 2003 THOMSON DERWENT
 AN AAU99428 peptide DGENE
 TI Identifying compounds that stabilize I-helix of ***discordant***

containing ***helix*** in polypeptide, by measuring amount of I-helix in sample
 presence and absence of compound - ***discordant*** -containing polypeptide in
 IN White M P; Johansson J
 PA (ALPH-N) ALPHABETA AB.
 (WHIT-I) WHITE M P.
 PI WO 2002041002 A2 20020523 55p
 AI WO 2001-GB5117 20011120
 PRAI US 2000-253695P 20001120
 US 2000-251662P 20001206
 DT Patent
 LA English
 OS 2002-519389 [55]
 DESC Xanthomonas oryzae inovirus (2ifo) helical segment.

L2 ANSWER 25 OF 29 DGENE (C) 2003 THOMSON DERWENT
 AN AAU99427 peptide DGENE
 TI Identifying compounds that stabilize I-helix of ***discordant***
 helix in polypeptide, by measuring amount of I-helix in sample
 containing ***discordant*** ***helix*** -containing polypeptide in
 presence and absence of compound -
 IN White M P; Johansson J
 PA (ALPH-N) ALPHABETA AB.
 (WHIT-I) WHITE M P.
 PI WO 2002041002 A2 20020523 55p
 AI WO 2001-GB5117 20011120
 PRAI US 2000-253695P 20001120
 US 2000-251662P 20001206
 DT Patent
 LA English
 OS 2002-519389 [55]
 DESC Pig surfactant-associated protein C (1spf) helical segment.

L2 ANSWER 26 OF 29 DGENE (C) 2003 THOMSON DERWENT
 AN AAU99426 peptide DGENE
 TI Identifying compounds that stabilize I-helix of ***discordant***
 helix in polypeptide, by measuring amount of I-helix in sample
 containing ***discordant*** ***helix*** -containing polypeptide in
 presence and absence of compound -
 IN White M P; Johansson J
 PA (ALPH-N) ALPHABETA AB.
 (WHIT-I) WHITE M P.
 PI WO 2002041002 A2 20020523 55p
 AI WO 2001-GB5117 20011120
 PRAI US 2000-253695P 20001120
 US 2000-251662P 20001206
 DT Patent
 LA English
 OS 2002-519389 [55]
 DESC Halobacterium halobium bacteriorhodopsin (1bct) helical segment.

L2 ANSWER 27 OF 29 DGENE (C) 2003 THOMSON DERWENT
 AN AAU99425 peptide DGENE
 TI Identifying compounds that stabilize I-helix of ***discordant***
 helix in polypeptide, by measuring amount of I-helix in sample
 containing ***discordant*** ***helix*** -containing polypeptide in
 presence and absence of compound -
 IN White M P; Johansson J
 PA (ALPH-N) ALPHABETA AB.
 (WHIT-I) WHITE M P.
 PI WO 2002041002 A2 20020523 55p
 AI WO 2001-GB5117 20011120
 PRAI US 2000-253695P 20001120
 US 2000-251662P 20001206
 DT Patent
 LA English
 OS 2002-519389 [55]
 DESC Human amyloid beta-peptide (Abeta) fragment (residues 1-40).

L2 ANSWER 28 OF 29 DGENE (C) 2003 THOMSON DERWENT
 AN AAU99424 peptide DGENE
 TI Identifying compounds that stabilize I-helix of ***discordant***
 helix in polypeptide, by measuring amount of I-helix in sample
 containing ***discordant*** ***helix*** -containing polypeptide in
 presence and absence of compound -
 IN White M P; Johansson J

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PRAI US 2000-253695P 20001120
US 2000-251662P 20001206

DT Patent

LA English

OS 2002-519389 [55]

DESC Peptide #2 used in fibrillation/aggregation studies of amyloid beta.

L2 ANSWER 29 OF 29 DGENE (C) 2003 THOMSON DERWENT

AN AAU99423 peptide DGENE

TI Identifying compounds that stabilize I-helix of ***discordant***
helix in polypeptide, by measuring amount of I-helix in sample
containing ***discordant*** ***helix*** -containing polypeptide in
presence and absence of compound -

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PRAI US 2000-253695P 20001120

US 2000-251662P 20001206

DT Patent

LA English

OS 2002-519389 [55]

DESC Peptide #1 used in fibrillation/aggregation studies of amyloid beta.

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